

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of the claims in this application:

1. - 48. (Cancelled)

49. (Previously Presented) An implantable orthopaedic prosthesis, comprising:

a laminar composite bearing having (i) radiation crosslinked layer of polyethylene; and (ii) a non-crosslinked layer of polyethylene molded to said crosslinked layer of polyethylene at a melt-fused interface.

50. (Previously Presented) The implantable orthopaedic prosthesis of claim 49, wherein said radiation crosslinked layer of polyethylene and said non-crosslinked layer of polyethylene are compression molded to one another.

51. Cancelled.

52. (Previously Presented) The implantable orthopaedic prosthesis of claim 49, wherein:

said radiation crosslinked layer of polyethylene has an articulating surface defined therein, and

said non-crosslinked layer of polyethylene has an engaging surface defined therein which is adapted to be secured to an acetabulum of a patient.

53. (Withdrawn) The implantable bearing of claim 49, wherein:

said crosslinked layer of polymer has an articulating surface defined therein, and

said non-crosslinked layer of polymer has an engaging surface defined therein
which is adapted to be secured to a glenoid of a patient.

54. (Withdrawn) The implantable bearing of claim 49, wherein:

said crosslinked layer of polymer has an articulating surface defined therein, and

said non-crosslinked layer of polymer has an engaging surface defined therein
which is adapted to be secured to a tibia of a patient.

55. (Previously Presented) The implantable orthopaedic prosthesis of claim 49,
wherein said radiation crosslinked layer of polyethylene has an articulating surface defined
therein.

56. - 124. (Cancelled)